

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1- 3 (canceled).

4. (currently amended): A device for a synchronization of data in an optical WDM transmission system, comprising: a wavelength demultiplexer for demultiplexing the incoming data stream in the synchronizer, delay lines for the individual wavelength channels, a multiplexer for combining the data stream before the remodulation, a first modulator which modulates by a high frequency clock signal the multiplexed data stream, and at least one photodetector tapped to the output signal of the multiplexer, wherein the at least one photodetector is optically connected to at least a part of the multiplexed data stream and electronically connected to an electronic control circuit which is connected to the individual delay lines for an automatic adaptation~~The device according to claim 3,~~

wherein a second demultiplexer is tapped to the output signal of the multiplexer connected to said at least one photodetector for each individual wavelength of the wavelength multiplex.

5. (currently amended): A device for a synchronization of data in an optical WDM transmission system, comprising: a wavelength demultiplexer for demultiplexing the incoming data stream in the synchronizer, delay lines for the individual wavelength channels, a multiplexer for combining the data stream before the remodulation, a first modulator which modulates by a

high frequency clock signal the multiplexed data stream, and at least one photodetector tapped to the output signal of the multiplexer, wherein the at least one photodetector is optically connected to at least a part of the multiplexed data stream and electronically connected to an electronic control circuit which is connected to the individual delay lines for an automatic adaptation~~Device~~
~~according to claim 3,~~

wherein a part of the wavelength multiplex signals (A) is tapped and feed in a second modulator connected with at least one photodetector and driven by the same clock signals as the modulator.

Claims 6-8 (canceled).